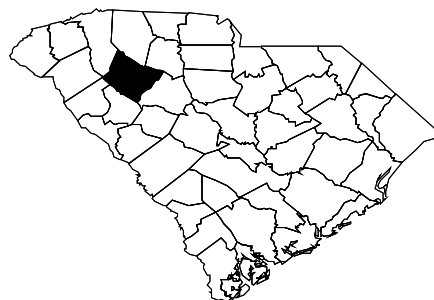


ASTHMA IN LAURENS County, 2012



Produced by the S.C. Department of Health and Environmental Control

March 2014

Impact of Asthma in the United States

- U.S. asthma cases more than tripled from an estimated 6.7 million in 1980 to 25.7 million in 2012.
- Costs for asthma have more than tripled from an estimated \$6.2 billion in 1990, to an estimated \$20.7 billion in 2012.
- An estimated 7 million (9.4%) U.S. children and 18.7 million adults were asthmatic in 2012.
- 3,404 people died of asthma in 2012.

Asthma in South Carolina

- Currently about 315,071 adults and 96,982 children suffer from asthma in South Carolina (2012 estimate).
- In 2012, 1.1% (5,699) of ALL hospitalizations were from asthma.
- Asthma claimed the lives of 80 South Carolinians in 2012.

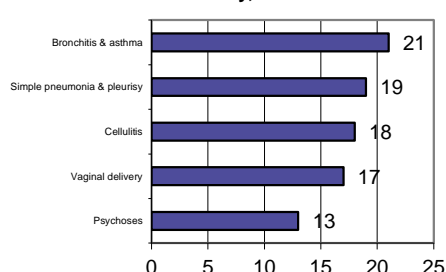
Impact of Asthma in Laurens County

- Approximately 3971* adults in Laurens county suffer from asthma annually.
- In 2012, there were 49 hospitalizations for asthma in Laurens county for all ages.

Children Suffer the Most from Asthma

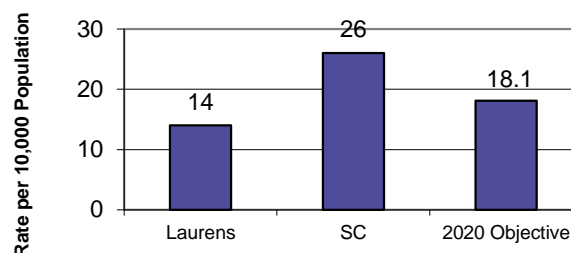
- Asthma/ Bronchitis is the leading cause of hospitalization in Laurens county for children under the age of 18.

Leading Causes of Hospitalization in Children Ages 0-18 Laurens County, 2012



- In 2012, there were 13 asthma hospitalizations of children (<18 years) in Laurens county.
- Healthy People 2020 Objectives for asthma hospitalizations among children under age 5 years is 18.1 per 10,000 children.
- Laurens county had a hospitalization rate of 14 per 10,000 children under the age of 5 in 2012, compared to South Carolina's 26 per 10,000 children.

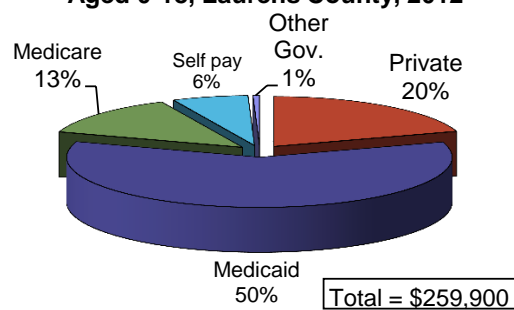
Comparison of Asthma Hospitalization Rates, Children Aged 0-4, Laurens County, 2012



Cost of Asthma

- \$259,900 was charged in 2012 for hospital and ER visits in Laurens county for asthmatic children (<18 years).
- Medicaid covered 60% of these charges.

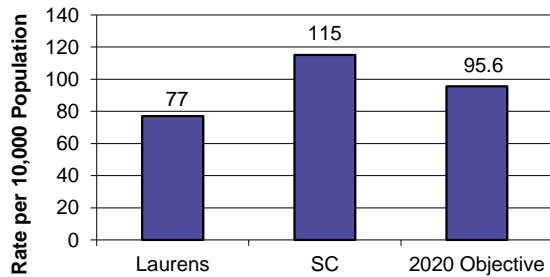
Percent Distribution of Asthma ER & Hospitalization Charges of Children Aged 0-18, Laurens County, 2012



Emergency Room

- 106 children under the age of 18 visited the ER due to asthma in Laurens county in 2012. This represents 30% of all ER visits due to asthma.
- \$153400 was charged for ER visits in Laurens county for asthmatic children (<18 years) in 2012.

Comparison of Asthma Emergency Department Rates, Children Aged 0-4, Laurens County, 2012



- Healthy People 2020 Objective for asthma related ER visits among children under the age 5 years old is 95.6 per 10,000 children.
- Laurens county had an ER rate of 77 per 10,000 children under the age of 5 in 2012, compared to South Carolina's 115 per 10,000 children.



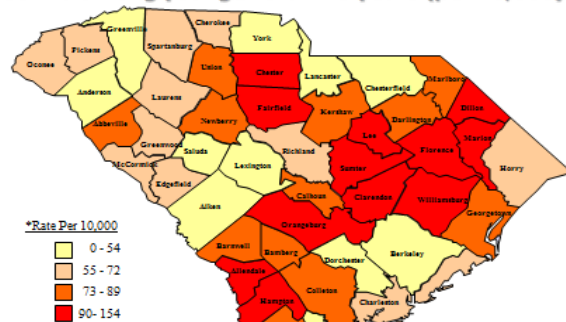
Disparities

- Black children under the age of 18 visit the ER more frequently than white children in the same age group.
- ER rates are more than three times higher among black children compared to white children in Laurens.

Hospital and Emergency Room Visits Rates per 10,000 Children (<18 years), 2012

	Laurens		South Carolina	
	White	Black	White	Black
Hospital	2.9	21.6	6.9	31.4
ER	38.1	142.9	34.7	198.9

2012 Hospital and ED Discharge Rates* due to Asthma among younger than 18 years (per 10,000)



Data Source: Hospital Discharge Survey ORS
Division of Chronic Disease Epidemiology
November 2013

*Estimate based on DHEC Health Region 1: Abbeville, Anderson, Edgefield, Greenwood, Laurens, McCormick, Oconee, Saluda

For more information about asthma, contact:

SC DHEC Data Source:
Behavior Risk Factor Surveillance System
Division of Biostatistics
(803)898-3629

Vital Statistics
Division of Biostatistics
(803)898-3627

Bureau of Air Quality
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Generated by:
Bureau of Community Health & Chronic Disease Prevention

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SC Budget and Control Board
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For more details, please view the Technical Document below
www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf

